MIAMI-DADE COUNTY, FLORIDA METRO-DADE FLAGLER BUILDING 140 WEST FLAGLER STREET, SUITE 1603 MIAMI, FLORIDA 33130-1563 (305) 375-2901 FAX (305) 375-2908

NOTICE OF ACCEPTANCE (NOA)

Plaza Door Company, Inc. 5900 Australian Ave. Suite # 3 Mangonia Park, FL 33407

Scope:

This NOA is being issued under the applicable rules and regulations governing the use of construction materials. The documentation submitted has been reviewed by Miami-Dade County Product Control Division and accepted by the Board of Rules and Appeals (BORA) to be used in Miami Dade County and other areas where allowed by the Authority Having Jurisdiction (AHJ).

This NOA shall not be valid after the expiration date stated below. The Miami-Dade County Product Control Division (In Miami Dade County) and/or the AHJ (in areas other than Miami Dade County) reserve the right to have this product or material tested for quality assurance purposes. If this product or material fails to perform in the accepted manner, the manufacturer will incur the expense of such testing and the AHJ may immediately revoke, modify, or suspend the use of such product or material within their jurisdiction. BORA reserves the right to revoke this acceptance, if it is determined by Miami-Dade County Product Control Division that this product or material fails to meet the requirements of the applicable building code.

This product is approved as described herein, and has been designed to comply with the Florida Building Code, including the High Velocity Hurricane Zone.

DESCRIPTION: Titan Series VI- Aluminum Sliding Glass Door- L.M.I.

APPROVAL DOCUMENT: Drawing No. **03-327**, titled "Titan Series VI Large Impact Aluminum Sliding Glass Door", sheets 1 through 6 of 6, prepared by EngCo Inc., dated 12/10/03, signed and sealed by Pedro De Figueiredo, P.E., bearing the Miami-Dade County Product Control Approval stamp with the Notice of Acceptance number and approval date by the Miami-Dade County Product Control Division.

MISSILE IMPACT RATING: Large and Small Missile Impact

LABELING: Each unit shall bear a permanent label with the manufacturer's name or logo, city, state and following statement: "Miami-Dade County Product Control Approved", unless otherwise noted herein.

RENEWAL of this NOA shall be considered after a renewal application has been filed and there has been no change in the applicable building code negatively affecting the performance of this product.

TERMINATION of this NOA will occur after the expiration date or if there has been a revision or change in the materials, use, and/or manufacture of the product or process. Misuse of this NOA as an endorsement of any product, for sales, advertising or any other purposes shall automatically terminate this NOA. Failure to comply with any section of this NOA shall be cause for termination and removal of NOA.

ADVERTISEMENT: The NOA number preceded by the words Miami-Dade County, Florida, and followed by the expiration date may be displayed in advertising literature. If any portion of the NOA is displayed, then it shall be done in its entirety.

INSPECTION: A copy of this entire NOA shall be provided to the user by the manufacturer or its distributors and shall be available for inspection at the job site at the request of the Building Official.

This NOA consists of this page 1 and evidence pages E-1 and E-2, as well as approval document mentioned above.

The submitted documentation was reviewed by Herminio F. Gonzalez, P.E.

1/1/04

NOA No 04-0428.01 Expiration Date: July 29, 2009 Approval Date: July 29, 2004 Page 1

Plaza Door Company, Inc.

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

A. DRAWINGS

- 1. Manufacturer's die drawings and sections.
- 2. Drawing No. 03-327, titled "Titan Series VI Large Impact Aluminum Sliding Glass Door", sheets 1 through 7 of 7, prepared by EngCo Inc. dated 12/10/03, signed and sealed by Pedro De Figuiredo, P.E.

B. TESTS

- 1. Test reports on 1) Air Infiltration Test, per FBC, TAS 202-94
 - 2) Uniform Static Air Pressure Test, Loading per FBC, TAS 20294
 - 3) Water Resistance Test, per FBC, TAS 202-94
 - 4) Large Missile Impact Test per FBC, TAS 201-94
 - 5) Cyclic Wind Pressure Loading per FBC, TAS 203-94
 - 6) Forced Entry Test, per FBC 2411.3.2.1 and TAS 202-94

along with installation diagram of an aluminum sliding glass door, prepared by Hurricane Test Laboratory, Inc., Test Report No. **HTL-0171-0226-03**, specimen #1, dated 02/21-3/21/03, signed and sealed by Vinu J. Abraham, P.E.

- 2. Test reports on 1) Large Missile Impact Test per FBC, TAS 201-94
 - 2) Cyclic Wind Pressure Loading per FBC, TAS 203-94 along with installation diagram of an aluminum sliding glass door, prepared by Hurricane Test Laboratory, Inc., Test Reports No. **HTL- 0171-0226.03**, specimen #2, dated 04/18-30/03, signed and sealed by Vinu J. Abraham, P.E.
- 3. Test reports on 1) Uniform Static Air Pressure Test, Loading per FBC, TAS 20294
 - 2) Large Missile Impact Test per FBC, TAS 201-94
 - 3) Cyclic Wind Pressure Loading per FBC, TAS 203-94

along with installation diagram of an aluminum sliding glass door, prepared by Hurricane Test Laboratory, Inc., Test Reports No. **HTL- 0171-0633.03**, specimen #1, dated 06/20-25/03, signed and sealed by Vinu J. Abraham, P.E.

C. CALCULATIONS

1. Anchor Calculations, ASTM-E1300, and structural analysis, prepared EngCo, Inc., dated 12/11/03, signed and sealed by Pedro De Figueiredo, P.E.

D. QUALITY ASSURANCE

1. Miami Dade Building Code Compliance Office (BCCO)

E. MATERIAL CERTIFICATIONS

1. Notice of Acceptance No. **02-1205.03** issued to "Security Impact Glass Holding L.L.C." for "Saf-Glas Polycarbonate Laminate" dated 01/02/03 and expiring on 12/16/07.

Herminio F. Gonzalez, P.E. Director, Product Control Division

NOA No 04-0428.01

Expiration Date: July 29, 2009 Approval Date: July 29, 2004

Plaza Door Company, Inc.

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

- 2. Notice of Acceptance No. **00-0614.09** renewed by **04-0115.01** issued to 'Viracon Inc.' for "HRG-2 Laminated Glass" dated 2/12/04 and expiring on 2/12/09.
- 3. Notice of Acceptance No. **01-1204.01** issued to "E.I. Dupont DeNemours." for "Sentry Glass ® Plus" dated 01/17/02 and expiring on 01/14/07.

F. STATEMENTS

1. Statement letter of conformance & no financial interest, dated 12/15/03, signed and sealed by Pedro De Figueiredo, P.E.

G. OTHER

1. Letter from consultant stating that the product is in compliance with the Florida Building Code (FBC).

Herminio F. Gonzalez, P.E.

Director, Product Control Division NOA No 04-0428.01

> Expiration Date: July 29, 2009 Approval Date: July 29, 2004

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INDEX:

SHEET 1 of 6 - INDEX, GENERAL NOTES AND COMPONENTS

SHEET 2 of 6 - ELEVATION AND DESIGN RATING

SHEET 3 of 6 - 90° TOP VIEW & SECTION DETAILS

SHEET 4 of 6 - SECTION DETAILS

SHEET 5 of 6 - CURNER ASSEMBLY, GLAZING DETAIL AND HARDWARE

SHEET 6 of 6 - ANCHORAGE TABLES AND BILL OF MATERIALS

GENERAL NOTES:

1- CODE: THIS PRODUCT HAS BEEN TESTED AND DESIGNED IN ACCORDANCE WITH THE FLORIDA BUILDING CODE 2001 Ed.

2- DEFINITION: THIS PRODUCT IS AN ALUMINUM LARGE MISSILE IMPACT RESISTANT SLIDING GLASS DOOR.

3- POSTING

'TITAN VI SERIES
LARGE MISSILE IMPACT RESISTANT
ALUMINUM SLIDING GLASS DOORS
PLAZA DOOR COMPANY, INC
WEST PALM BEACH - FLORIDA
DADE COUNTY PRODUCT CONTROL APPROVED'

4- DESIGN LOADS: THE DESIGNED LOADS MUST BE CALCULATED BY A PROFESSIONAL ARCHITECT OR ENGINEER FOR EACH SPECIFIC PROJECT. THE CALCULATED DESIGNED PRESSURE MUST NOT EXCEED THE ALLOWABLE APPROVED PRESSURE.

5- MATERIAL: ALL ALUMINUM PARTS TO BE 6063-T6 ALLOY OR AS NOTED AND GLAZING TO BE AS SPECIFIED ON THIS APPROVAL.

6- FASTENERS: ASSEMBLY SCREWS AND ANCHORS SHALL BE AS SPECIFIED IN THE CURRENT SET OF DRAWINGS. INSTALLATION AND LOADS AS PER THIS APPROVAL, ANCHOR SPACING AND LOADS MUST NOT EXCEED THE MAXIMUM LIMITS SPECIFIED BY THIS APPROVAL.

7- USE: IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR, ARCHITECT OR ENGINEER OF RECORD TO VERIFY THE FOLLOWING: 7.1- THE STABILITY OF THE STRUCTURE WHERE THE PRODUCT IS

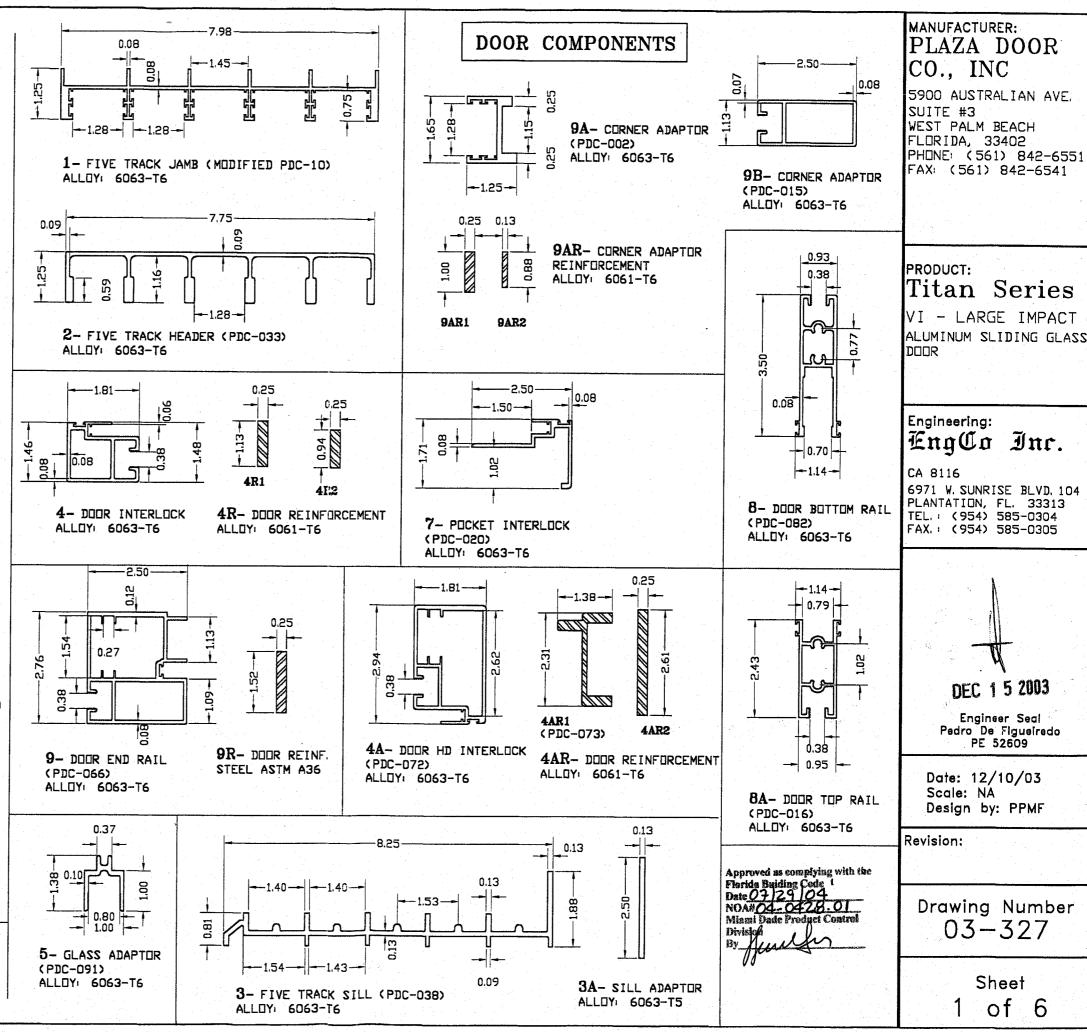
TO BE ATTACHED INSURING PROPER ANCHORAGE.

7. 2- THE SITE SPECIFIC PROJECT CRITERIA, SUCH AS BUT NOT LIMITED TO, LOCAL CODE REQUIREMENTS, DESIGNED PRESSURES ETC. 7. 3- THAT THIS APPROVAL IS ADEQUATE TO THE SPECIFIC PROJECT.

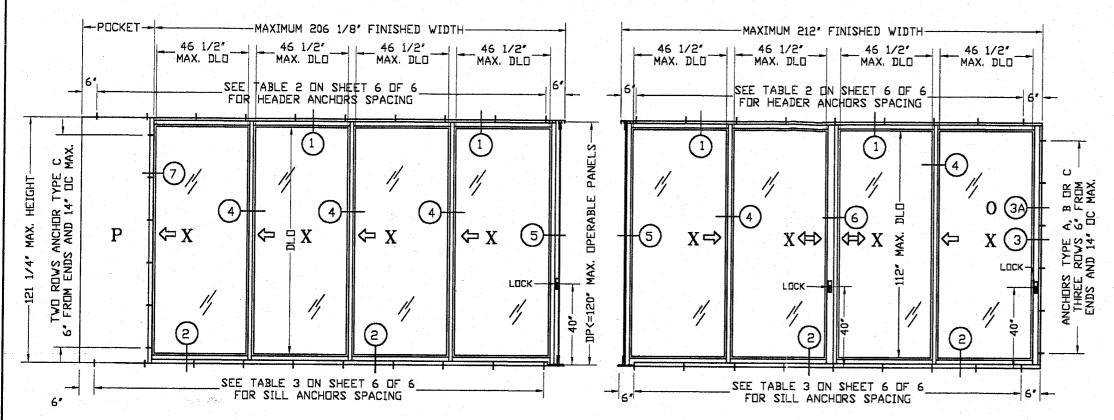
8- MANUFACTURER NOTICE: ALL IDEAS, DESIGNS, ARRANGEMENTS AND PLANS INDICATED AS REPRESENTED BY THIS DRAWING ARE DWNED BY, AND THE PROPERTY OF PLAZA DOOR COMPANY AND WERE CREATED, EVOLVED AND DEVELOPED FOR USE ON, AND IN CONNECTION WITH, THE SPECIFIED PROJECT. NONE OF SUCH IDEAS, DESIGNS, ARRANGEMENTS OR PLANS SHALL BE USED BY OR DISCLOSED TO ANY PERSON, FIRM OR CORPORATION FOR ANY PURPOSE WHATSDEVER WITHOUT THE WRITTEN PERMISSION OF THE MANUFACTURER.

9- 33 1/3% INCREASE IN ALLOWABLE LOADS HAVE NOT BEEN USED IN THE DESIGN OF THE ANCHORS FOR THIS PRODUCT APPROVAL, HOWEVER, WOOD SCREWS WITH 1. 33 INCREASE FOR WIND LOAD DURATION HAVE BEEN USED.

DOOR ALLOWABLE DESIGNED PRESSURE
Pd= +50 PSF, -50 PSF



ELEVATIONS & DESIGN RATING



MODEL: DOUBLE 90°

AVAILABLE CONFIGURATIONS:
D-A8-PXXXX // XXXX (AS SHOWN)
D-A8-PXXXX // XXXO
D-An-...XX // QX...
DOOR CONFIGURATIONS CAN BE
ARRANGED INTO MANY
COMBINATIONS OF MOVABLE PANELS
(X), FIXED PANELS (D) AND/OR
POCKETS (P),
NUMBER OF PANELS: n

MAX. 212" FW - W/OUT POCKET MAX. 206 1/8" FW - W/ POCKET -46 1/2" - 46 1/2" - MAX. DLO 46 1/2" 46 1/2" MAX DLD MAX, DLO SEE TABLE 2 ON SHEET 6 OF 6 FOR HEADER ANCHORS SPACING C B LR FROM 6, B DLD ANCHORS TYPE / THREE ROWS (ENDS AND 14" X⇔ $X \Rightarrow$ LOCK-LOCK-SEE TABLE 3 ON SHEET 6 OF 6 FOR SILL ANCHORS SPACING

MODEL: SINGLE

AVAILABLE CONFIGURATIONS:
S-A4-XXXX (AS SHOWN)
S-A4-OXXO

DOOR CONFIGURATIONS CAN BE
ARRANGED INTO MANY
COMBINATIONS OF MOVABLE PANELS
(X), FIXED PANELS (D) AND/OR
POCKETS (P),
NUMBER OF PANELS: n

TABLE 1 - ALLOWABLE DESIGNED PRESSURES (Psf)

DLO	DOOR DLO WIDTH (INCHES)			
HEIGHT	28 1/2	34 1/2	40 1/2	46 1/2
88	±50	±50	±50	±50
100	±50	±50	±50	±50
112	±50	±50	±50	±50

NOTES

1- DLD ARE IN INCHES

2- DESIGNED PRESSURES ARE IN PSF

MANUFACTURER:
PLAZA DOOR
CO., INC

5900 AUSTRALIAN AVE, SUITE #3 WEST PALM BEACH FLORIDA, 33402 PHONE: (561) 842-6551 FAX: (561) 842-6541

PRODUCT:

Titan Series

VI - LARGE IMPACT ALUMINUM SLIDING GLASS DOOR

Engineering: EngCo Inc.

CA 8116

6971 W. SUNRISE BLVD, 104 PLANTATION, FL. 33313 TEL:: (954) 585-0304 FAX:: (954) 585-0305



DEC 1 5 2003

Engineer Seal Pedro De Figueiredo PE 52609

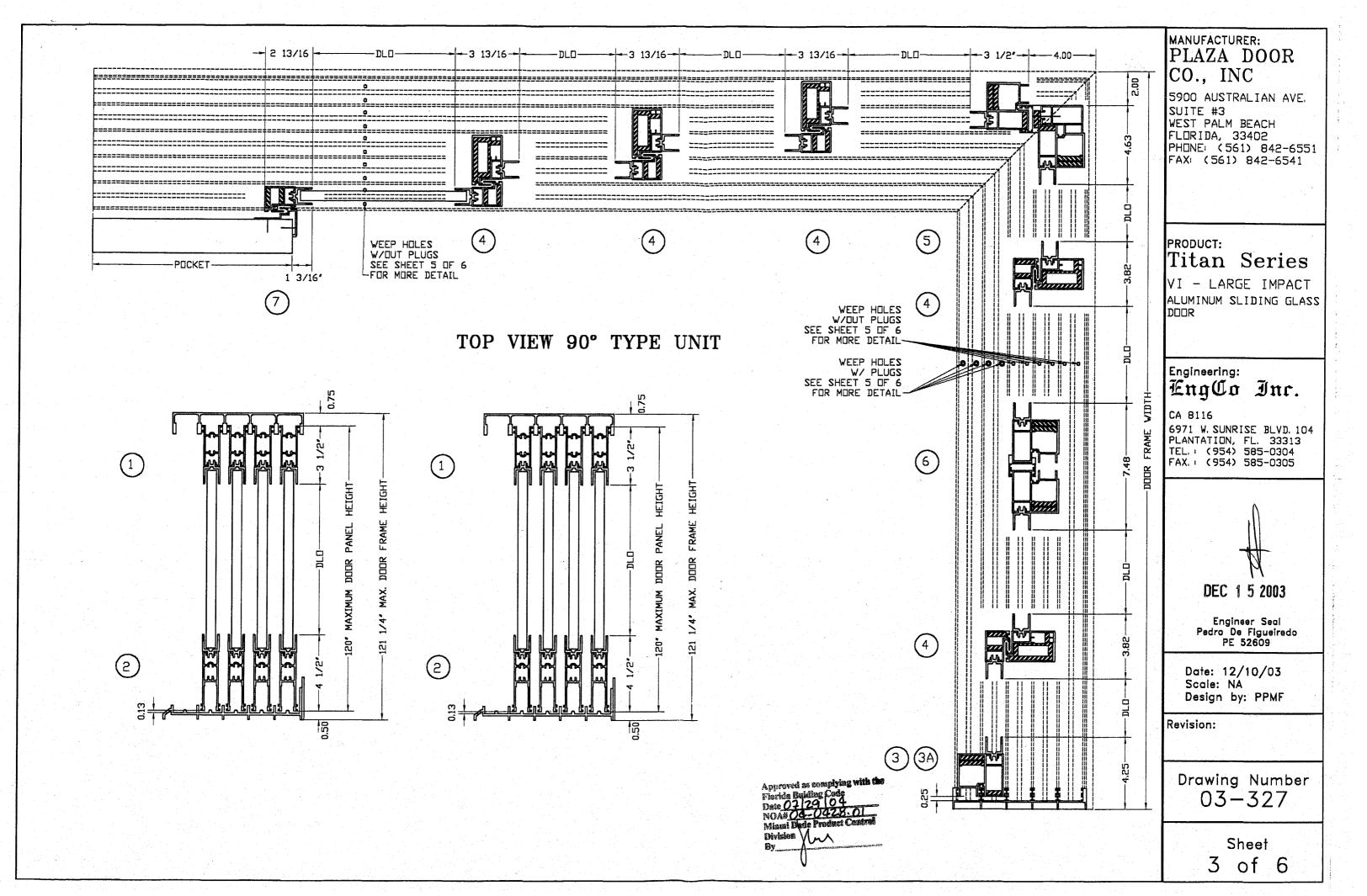
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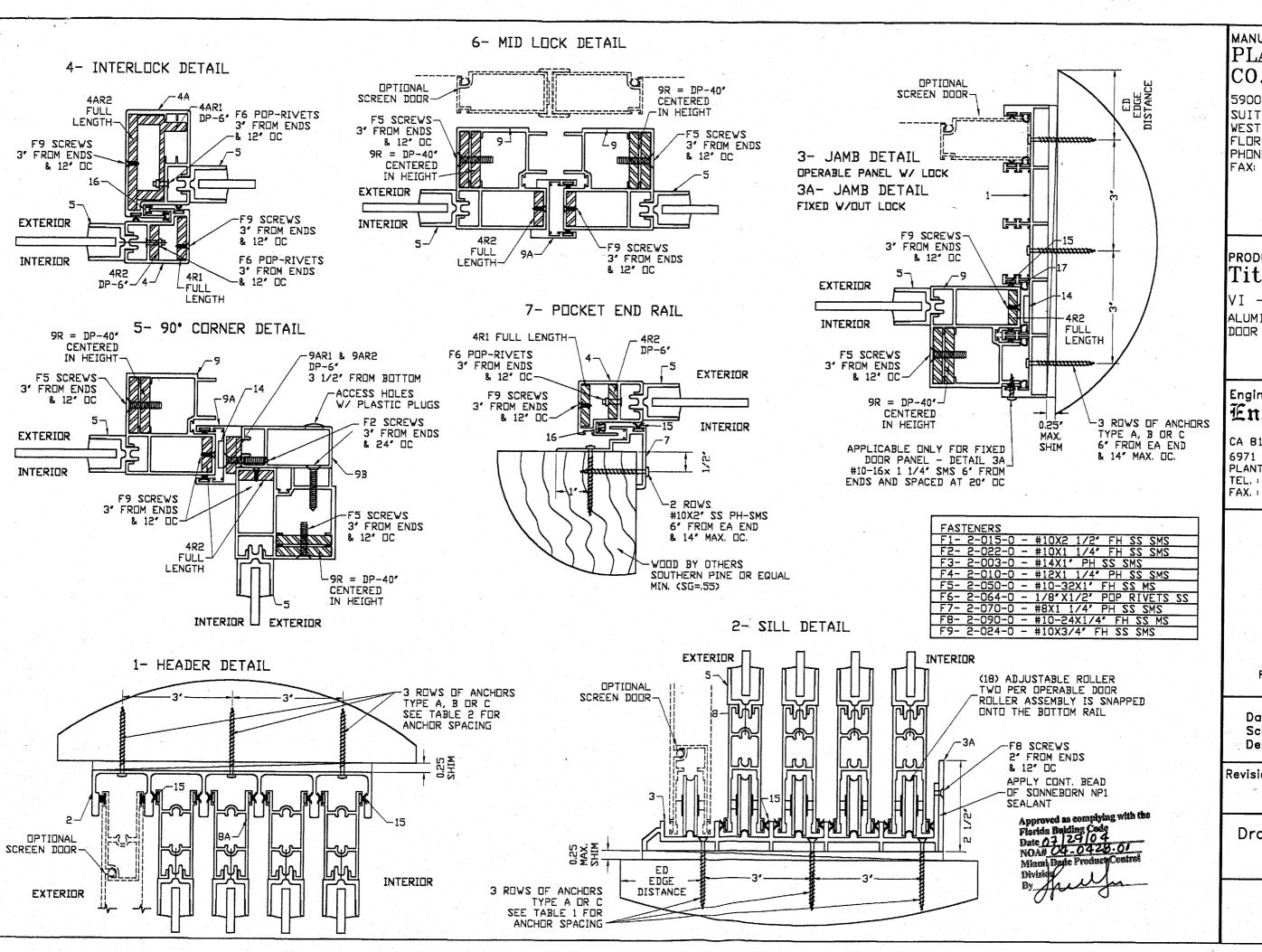
Revision:

Drawing Number 03-327

Sheet 2 of 6

Approved as complying with the Florida Building Code
Date 07/24/04
NOAF 00 0428.01
Nismi Dade Product Control
Division





MANUFACTURER: PLAZA DOOR CO., INC

5900 AUSTRALIAN AVE. SUITE #3 WEST PALM BEACH FLORIDA, 33402 PHONE: (561) 842-6551 FAX: (561) 842-6541

PRODUCT: Titan Series

VI - LARGE IMPACT ALUMINUM SLIDING GLASS

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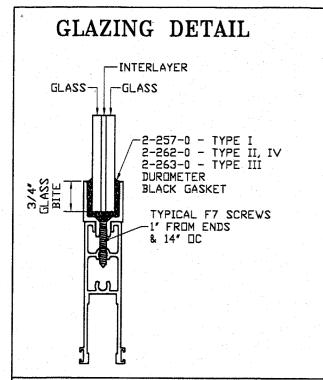
Engineer Seal Padro De Figueiredo PE 52609

Date: 12/10/03 Scale: NA Design by: PPMF

Revision:

Drawing Number 03-327

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IMPACT GLASS TYPES

I - 9/16' SAF-GLAS PRODUCED BY SECURITY IMPACT GLASS CO WITH NDA# 02-1205, 03 1/4" HS GLASS .015 POLYURETHANE

, 070 POLYCARBONATE , 015 POLYURETHANE

1/4" HS GLASS

III - 9/16" HRG-2 PRODUCED BY VIRACON W/ NOA# 00-0614, 09 3/16" HS GLASS

. 050 POLYURETHANE . 080 POLYCARBONATE

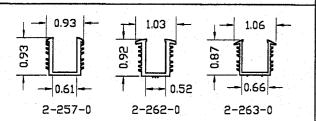
050 POLYURETHANE 3/16' HS GLASS

II - 9/16" SENTRYGLAS PLUS 100 PRODUCED BY VIRACON W/ NOA# 01-1204, 01 1/4" HS GLASS

. 100 DUPONT IONOPLAST INTERLAYER 1/4" HS GLASS

IV - 9/16' SENTRYGLAS PLUS PRODUCED BY VIRACON W/ NOA# 01-1204.01 1/4" HS GLASS . 09 DUPONT IONOPLAST INTERLAYER 1/4" HS GLASS

70 DURUMETER BLACK GASKETS



PLUGS IF REQUIRED TO BE USED ONLY ON THE-INTERIOR SIDE OF DOOR

HARDWARE NOTES

1- ROLLER ASSEMBLY: EACH OPERABLE PANEL IS DESIGNED WITH TWO ROLLERS (PART# 2-300-0) AT EACH CORNER BOTTOM RAIL OF DOOR PANEL. ROLLER ASSEMBLY IS SNAPPED ONTO THE BOTTOM RAIL OF THE DOOR.

2- DEAD LOCK (PART# 2-350-0): ONE PER EACH END RAIL, MEETING RAILS DR 90° CORNER RAILS OF OPERABLE PANELS, LOCATED 40' FROM CENTERLINE OF LOCK TO SILL. LOCK ASSEMBLY IS ATTACHED TO RAIL BY USING

WEATHER STRIPPING



TWO #6-32X1/4 SSFH SCREWS.

2-400-0 FINSEAL 7518 FINSEAL 7525

2-249-0 PVC BULB

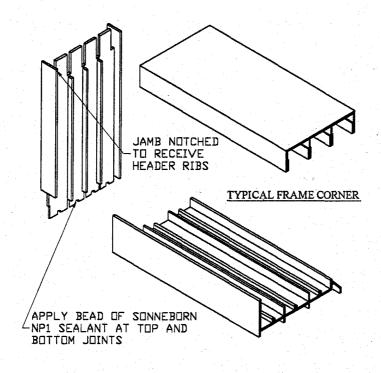
2-403-0 FINSEAL 8416

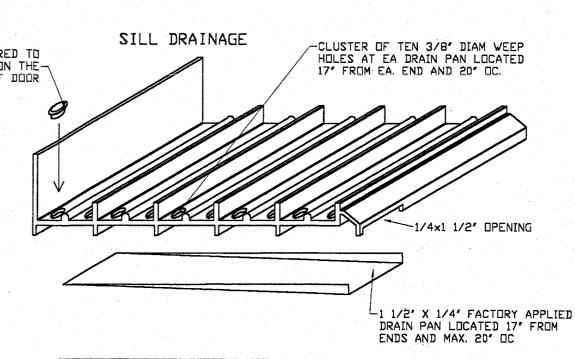
2-401-0

2-250-0

FINSEAL 7520 PVC BULB

FRAMING CORNER ASSEMBLY

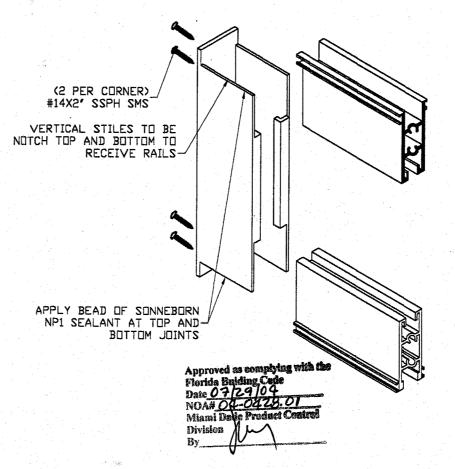




SEALANT'S NOTES:

- 1- PERIMETER SEALANT:
- SONNEBORN NP1 URETHANE SEALANT
- 2- FRAME JOINT SEALANT:
- SUNNEBURN NP1 URETHANE SEALANT 3- GLAZING GASKET JOINT SEALANT SONNEBORN NP1 URETHANE SEALANT

DOOR CORNER ASSEMBLY



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PRODUCT:

Titan Series

VI - LARGE IMPACT ALUMINUM SLIDING GLASS DOOR

Engineering: EngCo Inc.

CA 8116 6971 W. SUNRISE BLVD. 104 PLANTATION, FL. 33313 TEL.: (954) 585-0304 FAX.: (954) 585-0305



DEC 1 5 2003

Engineer Seal Pedro De Figueiredo PE 52609

Date: 12/10/03 Scale: NA Design by: PPMF

Revision:

Drawing Number 03 - 327

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FRAMING ANCHOR SPACING SELECTION TABLES

TABLE 2 MAXIMUM INCHES OC HEADER ANCHORS SPACING

DLO	DESIGNED PRESSURE (psf)				
HEIGHT	30	35	40	45	50
88	50-50-50	50-50-50	20-20-20	20-19-20	18-17-20
100	50-50-50	50-50-50	20-19-20	18-16-20	16-15-20
112	50-50-50	20-19-20	18-17-20	16-15-20	15-13-20

TABLE 3 MAXIMUM INCHES OC SILL ANCHORS SPACING

DLO	DESIGNED PRESSURE (psf)				
HEIGHT	30	35	40	45	50
88	19-na-20	16-na-20	14-na-20	13-na-20	11-na-20
100	17-na-20	14-na-20	13-na-20	11-na-20	10-na-20
112	15-na-20	13-na-20	11-na-20	10-na-20	9-na-19

1- (A-B-C): THE ABOVE TABLE VALUES A ARE FOR ANCHOR SPACING WHEN USING TYPE A ANCHORS, B ARE FOR ANCHOR SPACING WHEN USING TYPE B ANCHORS, C ARE FOR ANCHOR SPACING WHEN USING TYPE C ANCHORS

2- MINIMUM EMBEDMENT ARE BEYOND WALL DRESSING.

3- nai NOT AVAILABLE

ANCHOR TYPES

A- 3/16' TAPCON BY ELCO WITH 1 3/4' MIN, EMBEDMENT INTO 3320 psi CONCRETE - MIN. EDGE DISTANCE: 1 7/8'.

B- #10 ss WOOD SCREWS BY ELCO WITH 1 1/2' MIN. EMBEDMENT INTO PT WOOD (SG>=, 55) - MIN, E, D, >= 3/4".

C- 1/4" TAPCON BY ELCO WITH 1 3/4" MIN. EMBEDMENT INTO 3320 ps | CUNCRETE - MIN. EDGE DISTANCE: 2 1/2'.

BILL	_ OF MATERIALS:			
LOG	DESCRIPTION	PART#	MATERIAL	SUPPLIER
1	FIVE TRACK JAMB		ALUM. 6063-T6	PLAZA DOOR
5	FIVE TRACK HEADER	PDC-33	ALUM. 6063-T6	PLAZA DOOR
3	FIVE TRACK SILL	PDC-38	ALUM, 6063-T6	PLAZA DOOR
3A	SILL ADAPTOR		ALUM. 6063-T6	PLAZA DOOR
4	DOOR INTERLOCK	PDC-14	ALUM. 6063-T6	PLAZA DOOR
4R1	1/4X1 1/8' PLATE REINF.		ALUM. 6061-T6	PLAZA DOOR
4R2	1/4X 7/8' PLATE REINF.		ALUM, 6061-T6	PLAZA DODR
4A	DOOR HD INTERLOCK	PDC-72	ALUM. 6063-T6	PLAZA DOOR
4AR1	REINFORCEMENT	PDC-73	ALUM, 6061-T6	PLAZA DOOR
4AR2	1/4X2 5/8' PLATE REINF.		ALUM. 6061-T6	PLAZA DOOR
5	GLASS ADAPTOR	PDC-91	ALUM, 6063-T6	PLAZA DOOR
7	POCKET INTERLOCK	PDC-20	ALUM, 6063-T6	PLAZA DOOR
8	DOOR BOTTOM RAIL	PDC-82	ALUM, 6063-T6	PLAZA DOOR
BA	DOOR TOP RAIL	PDC-16	ALUM, 6063-T6	PLAZA DOOR
9	DOOR END RAIL	PDC-66	ALUM. , 6063-T6	PLAZA DOOR
9R	1/4X1 1/2 REINF.		STEEL ASTM A36	PLAZA DOOR
9A	CURNER ADAPTOR	PDC-002	ALUM. 6063-T6	PLAZA DOOR
9AR1	1/4X1 REINFORCEMENT		ALUM. 6061-T6	PLAZA DOOR
9AR2	1/8X7/8 REINFORCEMENT		ALUM. 6061-T6	PLAZA DOOR
9B	CORNER ADAPTOR	PDC-15	ALUM. 6063-T6	PLAZA DOOR
10	9/16'GLAZING GASKET	2-257-0	PVC	TEAM PLASTICS
10A	9/16'GLAZING GASKET	2-262-0	PVC	TEAM PLASTICS
10B	9/16 GLAZING GASKET	2-263-0	PVC	TEAM PLASTICS
11	HP WEATHER TAB	3-009-0		PLAZA DOOR
12	TRACK RAIN PAN	3-008-0	ALUMINUM	PLAZA DOOR
13	LOCK ESCUTCHEON	2-351-0		ADAMS RITE 4430
14	LUCK KEEPER	3-001-0	STAINLESS STEEL	PLAZA DODR
15	FINSEAL	2-407-0		SCHLEGAL
16	VINYL BULB	2-249-0		TEAM PLASTICS
17	VIHYL BULB	2-250-0		TEAM PLASTICS
18	ADJUSTABLE ROLLER	2-300-0		SAUNDERS ENG. #P-13
19	DEADLOCK	2-350-0		ADAMS R. 1847-02SS
50	3/8' WEEP DRAIN PAN PLUG	3-010	NYLON	PLAZA DOOR
				
-				***
				
 				
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				-
 				
 				

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Engineer Seal Pedro De Figueiredo PE 52609

Date: 12/10/03 Scale: NA Design by: PPMF

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